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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

Earthquakes Vocabulary

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|  |  |  |  |  |  |  |  |  |  | 4  S | U | R | F | A | C | E | W | A | V | E | S |  | E |  |  |  |  |  |  |
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|  |  |  |  |  | 6  R |  | O |  |  |  |  |  |  |  | 7  M |  | V |  |  | T |  |  | S |  |  |  |  |  |  |
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|  |  |  |  |  | E |  | F |  |  |  | M |  | 12  S |  | L |  |  |  |  | I |  |  | L |  | N |  |  |  |  |
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|  |  |  |  | 14  E | A | R | T | H | Q | U | A | K | E |  | 15  C | O | M | P | R | E | S | S | I | O | N |  |  |  |  |
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|  |  |  |  |  | E |  |  |  |  |  | H |  |  |  | L |  |  | 16  F | O | C | U | S |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | 19  H | A | N | G | I | N | G | W | A | L | L |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  | 20  S | T | R | I | K | E | S | L | I | P | F | A | U | L | T |  |  |  |  |  |  |  |  |  |
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| **Across**  **4.** Seismic waves that move slower then P and S waves, but they can produce more severe ground movements  **9.** A forces that acts on an area of rock to change its shape or volume  **11.** A number that geologist assign to an earthquake based on the earthquake's size  **13.** Block of rock that lie below  **14.** The shaking that results from sudden movement of rock along a fault  **15.** Type of stress that squeezes rock until it folds or breaks  **16.** The area beneath Earth's surface where rock under stress breaks, triggering an earthquake  **18.** The point on the surface directly above the focus  **19.** Block of rock that lies above  **20.** Rocks on either side of a strike- slip fault, slip past each other, with little up or down motion | **Down**  **1.** A rating system that estimates the total energy released by an earthquake  **2.** The hanging wall moves up relative to the footwall  **3.** Seismic waves that compress and expand the ground like an accordian  **5.** The hanging wall slips down relative to the footwall  **6.** A scale that assigns magnitude number to an earthquake based on the size of the seismic waves  **7.** A scale devolved to rate earthquakes according to their intensity, or strength at a give place  **8.** Where the seismic waves are measured  **10.** Type of stress that pulls on the crust, stretching rock so that is becomes thinner in the middle  **12.** Seismic waves that vibrate side to side as well as up and down  **17.** Stress that pushes a mass of rock in two opposite directions |